

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION OR RECOMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

API NO. 15-175-20,967-0000  
County Seward  
App C W/2 22 33S East  
Sec Twp Rge 34 X West

Operator: License # 4549  
Name Anadarko Petroleum Corp.  
Address P. O. Box 351  
City/State/Zip Liberal, KS 67905-0351

2690 Ft North from Southeast Corner of Section  
3960 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

Purchaser JM Petroleum

Lease Name ETZOLD UNIT NORTH Well # 2-4

Operator Contact Person M. L. Pease  
Phone 316-624-6253

Field Name Etzold Unit North Shuck

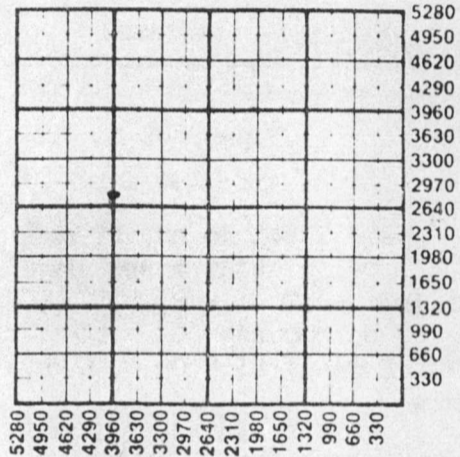
Producing Formation Lower Chester

Contractor: License # 5842  
Name Gabbert-Jones, Inc.

Elevation: Ground 2887 KB 2899

Wellsite Geologist James E. Nichols  
Phone 624-2623

Section Plat



Designate Type of Completion  
X New Well Re-Entry Workover  
X Oil SWD Temp Abd  
Gas Inj Delayed Comp.  
Dry Other (Core, Water Supply etc.)

If OWNG: old well info as follows:  
Operator  
Well Name  
Comp. Date Old Total Depth

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal  
Docket # NA Commercial disposal Repressuring

Questions on this portion of the ACO-1 call:  
Water Resources Board (913) 296-3717

Source of Water:  
Division of Water Resources Permit #

Groundwater Ft North from Southeast Corner  
(Well) Ft West from Southeast Corner of  
Sec Twp Rge East West

Surface Water Ft North from Southeast Corner  
(Stream, pond etc) Ft West from Southeast Corner  
Sec Twp Rge East West

X Other (explain) Contractor furnished water  
(purchased from city, R.W.D. #)

WELL HISTORY

Drilling Method:  
X Mud Rotary Air Rotary Cable  
8/22/87 9/2/87 9/30/87  
Spud Date Date Reached TD Completion Date  
6380 6361  
Total Depth PBDT

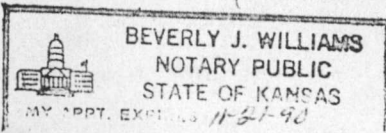
Amount of Surface Pipe Set and Cemented at 1618 feet  
Multiple Stage Cementing Collar Used? Yes X No  
If yes, show depth set feet  
If alternate 2 completion, cement circulated  
from feet depth to w/ SX cmt  
Cement Company Name  
Invoice #

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months. One copy of all wireline logs and drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-11i form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature M. L. Pease  
Title Division Production Manager Date 11/9/87

Subscribed and sworn to before me this 9th day of Nov 1987  
Notary Public Beverly J. Williams  
Date Commission Expires November 21, 1990



K.C.C. OFFICE USE ONLY  
Letter of Confidentiality Attached  
Wireline Log Received  
Drillers Timelog Received  
Distribution  
KCC SWD/Rep NGPA  
KGS Plug Other  
(Specify)  
Form ACO-1 (5-86)

STATE RECEIVED  
KANSAS CORPORATION COMMISSION  
MAR 4 1988  
Wichita, Kansas

Sec 33 Twp 33 Rge 34 W

SIDE TWO

032000

Operator Name Anadarko Petroleum Corp. Lease Name ETZOLD UNIT NORTH Well # 2-4

Sec. 22 Twp. 33S Rge. 34  East  West County Seward

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken  Yes  No  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No

Formation Description  
 Log  Sample

Name	Top	Bottom
Cased Hole	0'	33'
Sand	33'	530'
Redbed	530'	1125'
Glorietta Sand	1125'	1270'
Sand, Shale	1270'	1618'
Redbed, Shale	1618'	1885'
Shale	1885'	2535'
Shale, Lime	2535'	3895'
Lime	3895'	6225'
Sand	6225'	6254'
Lime, Shale	6254'	6330'
Lime	6330'	6380'
TD		6380'

RELEASED

DEC 12 1988

FROM CONFIDENTIAL

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (in O.D.)	Weight Lbs/Ft.	Setting Depth	Type of Cement	#Sacks Used	Type and Percent Additives
Surface	12 1/4"	8 5/8"	24#	1618	Poz/Com	550/200	4% gel 2% CC
Production	7 7/8"	5 1/2"	15.5#	6379	LW/Poz	50/100	6% gel/10% Salt
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
2	6214-48'			3400 gal diesel		6214-48'	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production		Size	Set At	Packer at			
10/20/87		2 3/8"	6220'				
Producing Method		<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....					
Estimated Production Per 24 Hours		Oil	Gas	Water	Gas-Oil Ratio	Gravity	
		1 Bbls	tstn MCF	1 Bbls	--	CFPB 42deg API	

METHOD OF COMPLETION

Production Interval

Disposition of gas:  Vented  Open Hole  Perforation  
 Sold  Other (Specify) ..... 6214-48'  
 Used on Lease.  Dually Completed .....  
 Commingled